

Grade: ARMC-675N

Manufacturer: Aremco Products, Inc.

Description: Aluminum-Nitride based, fine grain, thermally conductive potting compound. Supplied in powder form and mixed with water to develop a strong hydraulic bond. Requires curing (see item description).

PROPERTY	US VALUE		METRIC VALUE	
Major Constituent	Aluminum-Nitride			
Maximum Temperature	2200	°F	1204	°C
CTE	2.9	in/in °F x 10 ⁻⁶	7.0	Microns/m °C
Volume Resistivity	10⁹	ohm-cm @ RT		
Dielectric Strength	300	volts/mil		ac-kv/mm
Compressive Strength	2,000	psi	NaN	MPa
Porosity	< 3.0	% VOL		% VOL
Moisture Resistance	Good			
Alkali Resistance	Good			
Acid Resistance	Good (attacked by HF)			
No. Components	1 + H₂O			
Mixed Viscosity	15,000	@ 25°C, cps		
Shrinkage	< 0.3	% @ 1000°F		
Pot Life	1-2	100gm @ 25°C, hours		
Shelf Life	12	months		
Color	Light Gray			